

SECTION 262726

WIRING DEVICES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Wall switches.
- B. Wall dimmers.
- C. Receptacles.
- D. Device plates and decorative box covers.
- E. Floor box service fittings.
- F. Poke-through service fittings.
- G. Access floor boxes.

1.2 REFERENCES

- A. NEMA WD 1 - General Purpose Wiring Devices.
- B. NEMA WD 6 - Wiring Device Configurations.

1.3 SUBMITTALS

- A. Product Data: Provide the manufacturer's catalog information showing dimensions, colors, and configurations.

PART 2 PRODUCTS

2.1 WALL SWITCHES

- A. Manufacturers:
 - 1. Hubbell.
 - 2. Leviton.
 - 3. Arrow Hart.
 - 4. General Electric.
 - 5. Pass & Seymour.
 - 6. Sylvania.
 - 7. Eagle.
- B. Description: NEMA WD 1, general-duty, AC only snap switch, quiet operating.
- C. Device Body: White plastic with full size toggle handle. Ref for switches fed from emergency systems.
- D. Voltage Rating: 120-277 volts, AC.
- E. Current Rating: 15 amperes.

- F. Ratings: Match branch circuit and load characteristics when controlling an entire branch circuit load.

2.2 WALL DIMMERS

- A. Manufacturers:
 - 1. Lutron Nova.
 - 2. Leviton Architectural.
 - 3. Hubbell Architectural.
- B. Description: NEMA WD 1, Type II semiconductor dimmer for incandescent lamps.
- C. Device Body: White plastic with linear slide. Red for dimmers fed from emergency systems.
- D. Voltage: 120 or 277 volts.
- E. Power Rating: Match load shown on Drawings; 1000 Watts minimum.
- F. Accessory Wall Switch: Match dimmer appearance.

2.3 RECEPTACLES

- A. Manufacturers:
 - 1. Hubbell.
 - 2. Leviton.
 - 3. Arrow Hart.
 - 4. General Electric.
 - 5. Pass & Seymour.
 - 6. Sylvania.
 - 7. Eagle.
- B. Description: NEMA WD 1; heavy-duty receptacle, hospital grade.
- C. Device Body: White plastic. Red for receptacles fed from emergency systems.
- D. Configuration: NEMA WD 6; type as specified and indicated.
- E. Convenience Receptacle: Type 5-15.
- F. GFCI Receptacle: Hospital-Grade receptacle with integral ground fault circuit interrupter to meet regulatory requirements.
- G. Range Receptacle: NEMA Type 14-50R.
- H. Telephone Jack: Modular jack, flush mount, conductors as required (4-pair minimum).
- I. Dryer Receptacle: NEMA Type 14-30R.
- J. Isolated Ground Receptacle: Type 5-20, orange with isolation barrier construction which isolates the ground contacts from the mounting strap.

2.4 WALL PLATES

- A. Decorative Cover Plate: Smooth stainless steel.
 - 1. Hubbell.
 - 2. Leviton.

3. Arrow Hart.
4. General Electric.
5. Pass & Seymour.
6. Sylvania.
7. Eagle.

B. Weatherproof Cover Plate: Gasketed cast metal with hinged gasketed device cover.

1. Hubbell.
2. Leviton.
3. Arrow Hart.
4. General Electric.
5. Pass & Seymour.
6. Sylvania.
7. Eagle.

C. Receptacles in wet locations shall be installed with an outlet enclosure clearly marked "Suitable for Wet Locations While in Use". The outlet enclosure shall be listed by Underwriters Laboratories, Inc.

2.5 FLOOR MOUNTED SERVICE FITTINGS

A. Flush Cover Convenience Receptacle:

1. Hubbell.
2. Leviton.
3. Eagle.
4. Material: Aluminum.
5. Configuration: Duplex flap opening.

B. Protective Ring: Aluminum finish.

C. Split Nozzle: Aluminum finish.

D. Carpet Ring: Aluminum.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify outlet boxes are installed at proper height.
- B. Verify wall openings are neatly cut and will be completely covered by wall plates.
- C. Verify floor boxes are adjusted properly.
- D. Verify branch circuit wiring installation is completed, tested, and ready for connection to wiring devices.

3.2 PREPARATION

- A. Provide extension rings to bring outlet boxes flush with finished surface.
- B. Clean debris from outlet boxes.

3.3 INSTALLATION

- A. Install products in accordance with manufacturer's instructions and NECA "Standard of Installation".
- B. Install devices plumb and level.
- C. Install switches with OFF position down.
- D. Install wall dimmers to achieve full rating specified and indicated after derating for ganging as instructed by manufacturer.
- E. Do not share neutral conductor on load side of dimmers.
- F. Connect wiring device grounding terminal to outlet box with bonding jumper and to branch circuit equipment grounding conductor.
- G. Install decorative plates on switch, receptacle, and blank outlets in finished areas.
- H. Connect wiring devices by wrapping conductor around screw terminal.
- I. Install galvanized steel plates on outlet boxes and junction boxes in unfinished areas, above accessible ceilings, and on surface mounted outlets.

3.4 INTERFACE WITH OTHER PRODUCTS

- A. Coordinate locations of outlet boxes provided under Section 26 05 34 to obtain mounting heights specified and indicated on Drawings. Coordinate all rough-in with architectural interior elevations.
- B. Install wall switch 48 inches above finished floor, to centerline. Where located near doors install switches on the lock side and clear of door trim a minimum of 2 inches and a maximum of 10 inches.
- C. Install convenience receptacle 18 inches above finished floor, to centerline.
- D. Install convenience receptacle 2 inches above backsplash of counter, to bottom.
- E. Install dimmer centerline 48 inches above finished floor, to centerline.
- F. Install telephone outlet 18 inches above finished floor, to centerline.
- G. Install telephone outlet for wall telephone 48 inches above finished floor, to centerline.

3.5 FIELD QUALITY CONTROL

- A. Inspect each wiring device for defects.
- B. Operate each wall switch with circuit energized and verify proper operation.
- C. Verify that each receptacle device is energized.
- D. Test each receptacle device for proper polarity.
- E. Test each GFCI receptacle device for proper operation.

- F. Verify that each telephone jack is properly connected, and circuit is operational.

3.6 ADJUSTING

- A. Adjust devices and wall plates to be flush and level.

END OF SECTION